FOR MYSORE STATE

Public Works (1953) Department.

Ms. SERIES.

G.O. NO. 3718.

Dated the 11th September, 1953.

Closed
ES
16.9.53

[Despatch Abstract.]

IRRIGATION - South Kanara District - Puthur Taluk - Construction of Kaicut across Kandaka River - Detailed investigation - Deferred.

F. 32—10,59,181—7-11-49.

Public Works Department

From (Name) Sri A.R.Venkatachari,B.E., M.I.E.(Ind)M.Am.Soc.C.E.,I.S.E.,
Designation Chief Engineer for Irrigation
Station Chepauk, Madras 5.

Received ..... Registered .....

To

The Secretary to Government,
Development Department.

PR 12016 1/2, 25/10/52

FIFTH ASSISTANT SECRETARY TO GOVERNMENT
29 OCT 1952
DEVELOPMENT DEPARTMENT

Enclosures:

No. 2699/52 B- 1, dated 21st October 1952

Sir,

Sub:- COMMITTEES - Forest Grievances Enquiry Committee South Kanara - Recommendations - Report on certain Irrigation Schemes.

Ref:- G.O.Ms.No.2150 Dev. Department dated 19-5-52.

The present stage of the two Irrigation schemes referred to in the concluding portion of para 4 of the G.O. quoted above is furnished below:-

(i) Constructing an anicut across Sankadagundi River in Coondapur Taluk:- The Superintending Engineer, Coimbatore Circle submitted plans and estimate amounting to Rs.1,17,600/- for works or Rs.1,52,886/- including direct and indirect charges for constructing this anicut to benefit 200 acres of IInd Crop. As the cost of the scheme is too high and works out to Rs.750/- per acre, it has been deferred for the present and it will be taken up for consideration when the financial position of the State improves.

(ii) Construction of an anicut across Kandadka river in Puttur Taluk:-

The Superintending Engineer, Coimbatore Circle has since submitted plans and estimate amounting to Rs.2,24,000/- for works or Rs.2,91,211/- including direct and indirect charges for the above scheme. The Collector's report on the administrative and financial aspects of the scheme is awaited. On its receipt, the above proposal will be examined and a further report sent to the Government.

L. Sundaram 23/10/52
for Chief Engineer for Irrigation.

TSR.22.X

23/10

Dev. dept.

To A.S

F + A (F. P) U.

22/10/52

27/10/52

27/10/52

U.O.N.No.4861 P+DI/52-1
28-10-52

BOARD OF REVENUE
29 OCT 1952
3675
A

28
5-11

F. & A (F.P.) Dept

Memo. No. 36751/52-1-FP.II A, dt/ 4-11-52

Sub: Irrigation - S. Kannivadi - Coondapur taluk - Construction of anicut across Sankaragudi river.

Ref: From the CE (I) letter No. 2699/52-B dated 21-10-52

It has been reported by the CE(I) in his letter cited that the above scheme has been deferred for the present and that it will be taken up for consideration when the financial position of the State improves. The CE (I) is requested to ~~reply~~ the Govt. orders, if any, in accordance with which the above decision

State whether the papers to be disposed of by the Govt. not to take up new works in the D.C. Campaign and if not, the date to end and delay

was awarded. Steps also required to report working the above scheme and the ~~Ex~~ Eng scheme for the ~~extension~~ Construction of ancient across Kondodka river in Patan taluk required in his letter dated cannot be taken up under the Spl. M.D. Programme for 1952-53.

3.11.52 4/11/52 4/11/52

To the C.E.(I)

DESPATCHED
7 NOV 1952

7/11/52

GOVERNMENT OF MADRAS

FOOD AND AGRICULTURE (FOOD PRODUCTION) DEPARTMENT.

Government Memo No. 36751/52-2 F & A(FP) II A, dated 8.12.52

Sub: - IRRIGATION - S. Kanakapuram, Coimbatore ~~Dt.~~ ~~Taluk~~ Constructing anicut across Sankaraganadi river.

Read:- ~~From the~~ Govt. Memo No. 36751/52-1-F.P. II A, dated 4.11.52

****

The attention of the ~~Collector of~~ CE(I) ~~SE(FP)~~ is invited to the Government Memo ~~his letter~~ cited and he is requested to expedite his report in the matter.

To CE(I).

The Collector of
The S.E. (F.R.).

DESPATCHED
11 DEC 1952

PUBLIC WORKS DEPARTMENT

From Sri
L.Venkatakrishna Ayyar,
B.A., B.E., I.S.E.,
Chief Engineer for Irrigation,
Chepauk, Madras 5.

To
The Secretary to Government,
Food & Agriculture Department,
Chepauk, Madras.

-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-x-

No.2699/52-B-2 dated 23-12-52

Sub:- Irrigation - Grow More Food - South Kanara District- Coondapur taluk - Construction of an anicut across Sankadagundi river - Inclusion in special minor irrigation programme for 1952-53 - Regarding-

Ref:- From the Secretary to Government, Food & Agriculture Department Memo No.36751/52-1 F.P.II-A d/4-11-52

The above scheme has been deferred for the present only due to the decision of Government not to take up new works under Intensive cultivation Campaign. The Collector has strongly recommended this scheme as it benefits 199 acres and yields 99.5 tons of rice in a deficit district like South Kanara. I concur with the views of the Collector and as the scheme can be completed within 2 years and costs Rs 580/- acre on works or Rs 760/- acre on total outlay, I am including this scheme in the Special Minor Irrigation Programme for 52-53, now under compilation in this office.

2.The 2nd scheme (viz) 'Construction of an anicut across Kandaka river' in Puttur taluk, will take some more time for finalisation and commencement of execution as concurrence of Highways Department has to be obtained for the bridge portion of the anicut or regulator. It also involves cutting of Forest growth on 70 acres for which approval of Forest Department will have to be obtained. Besides the cost per acre on works is Rs800/- and on total outlay is over Rs 1000/- The scheme may not be possible of completion within 2 years as now required for Minor Irrigation works and so this scheme cannot be included in the Programme.

3. Also, I request you to be informed whether similar schemes can be included in the Minor Irrigation Programme so long as they satisfy the following conditions:-

(i) Grow More Food value
(ii) Possibility of completion with in 2 years
(iii) Reasonable cost, say upto Rs 1000/- acre in famine areas, like Ceded Districts or ~~in other areas~~ @ Rs 750/- acre in other areas but not necessarily productive.

R. Seshadri 23/12

For Chief Engineer for Irrigation

prc.23/12.

F & A (F.P) Dept.

Memo:No.36751/52/F.P.II.A dated 21/1/53.

Sub: Irrigation - S. Kanara Dt - Coondapur and Puttur taluks - Sankadagundi and Kandadka Anicut Schemes.

Ref: Govt. Memo No.36751/52-1 F.P.II.A, dated 4.11.52.

From the C.E (I), letter No.2699/52-B-2, dated 23.12.52.

With reference to para 3 of his letter cited, the Chief Engineer (I) is requested to submit proposals for all small irrigation schemes capable of completion within a period of two years from the date of commencement of their execution for consideration under the Special M.I. Programme, irrespective of their cost per acre and to leave the matter to the Govt. to decide each case on its merits.

2. The Chief Engineer (I) is requested to expedite submission of the plans and estimate for the Sankadagundi anicut scheme in Coondapur Taluk.

3. The Chief Engineer is informed that there is much pressure on the Govt. for the development of Malnad area and the Kandadka anicut scheme in Puttur taluk, if expedited, will be of immense advantage to this undeveloped area. The Govt. are of the view that obtaining the concurrence of the Highways and Forest Departments should not take so much time ~~as to postpone the completion of the scheme within a period of two years from its commencement~~. The CE(I) is, therefore, requested to expedite the finalization of the scheme to enable its consideration under the Special M.I. Programme and to submit necessary

proposals therefor to the Government at an early date.

20.1.53 21/1/53 1 Em/1/53

DEST 29 JAN 1953 with encls.

To
The C.E (I) T
Copy to the C.E.(H) } with
-do- C.C.F. } encls.

(Extract of para 2 p. 7 c.f.)

DESP 29 JAN 1953

1/24/2

ಕೃಷಿ 25-2-25

Dear Sir

Hon'ble Minister for Agriculture

II FI&A (F.P.) Deptt.

Memo. No. 36751/52-S-FP.II-A, d/24-2-53.

Sub: Irrigation - S. Kanara dt. - Puttur Taluk - Kandadka Anicut Scheme - Report called for.

Ref: Govt. Memo. No. 36751/52-4-FP(II) d/22-1-53.

The C.E.(S)II is requested to expedite submission of the proposals called for from him in para 3 of the Memo. cited.

DESPATCHED 26 FEB 1953

23.2.53 28/2/53

26/2/53

To the C.E.(S)II

C.F. 52 14,67,653—21-3-52.

PUBLIC WORKS Department | Received ____ Registered ____

From (Name) Sri N.Padmanabha Ayyar, B.A., B.E., M.I.E.(Ind), I.S.E.,
Designation Chief Engineer (Irrigation-II)
Station Chepauk, Madras.

To
The Secretary to Government,
Food & Agriculture, (Food Production) Department.

Enclosures:

No. 2699/52 B-6, dated 3rd March 1953

Sir,

Sub:- Irrigation - South Kanara District - Coondapur and Puttur taluks - Sankadagundi and Kandadka aniaut schemes.

Ref:- Food & Agriculture (Food Production) Department Memo No. 36751/52-4 F.P.II-A dated 22.1.53.

With reference to the above memo I have to state as follows:-

The instructions given in para I of the memo under reference are noted.

As regards para II of the memo it is submitted that plans and estimates for the Sankadagundi Anicut Scheme have already been sent to Government (Food & Agriculture Department) (vide this office letter No. 2699/52 B-3 dated 17.1.53).

The Collector's report on the financial, Grow More Food and Administrative aspects of the Kandadka Anicut scheme is awaited The Superintending Engineer has been reminded to obtain and submit it without delay. On its receipt and examination the estimate for the above scheme will be submitted to Government, if in order.

Sundaram 4/3/53

for Chief Engineer (Irrigation-II).

4/3

GOVERNMENT OF MADRAS
FOOD AND AGRICULTURE (FOOD PRODUCTION) DEPARTMENT.

*

Government Memo No. 36751 / F & A (FP) II dt. 15/4/53

Subs:- ~~IRRIGATION~~ - as ab. ₱ 1346. Dt. -

Taluk - (V)

Reads: ~~Govt. Memo No.~~ From the CE (I) Lr. No. 2699/52-B6 dt. 3 March 53

***

The attention of the ~~Collector of~~ /~~SE(F)~~/C.E(I) is invited to ~~the Government Memo~~/his letter cited and he is requested to expedite his final report in the matter.

To

~~The Collector of~~
~~The S.E.(FP)~~
The C.E.(I)

tkv/

O.F. 32 (a)— 184,468—15-11-52

Public Works Department

From (Name) Sri N.Padmanabha Ayyar, B.A.,B.E.,M.I.E.(Ind),I.S.E.,
Designation Chief Engineer (Irrigation-II),
Station Chepauk, Madras-5.

Received _____ Registered _____

To

The Secretary to Government,
(Ex-Officio)
Food and Agriculture(F.P.)Dept.,
M a d r a s.

Enclosures:

Memo No. 22699/52-B-8, dated 13th May 1953. 195 .

Sir,

Sub:- Irrigation - South Kanara District - Coondapur and Puttur taluks - Sankadagundi and Kandadka anicut schemes-

Ref:-Govt.F & Agri.(F.P.)Dept. Memorandum No.36751/F&A(FP IIA/52-5 dated 15--4--53.

The subject is under examination and a reply will be sent to Government as early as possible.

for CHIEF ENGINEER(IRRIGATION-II).

PK/13-5

184,468—15-11-52

Public Works Department

From (Name) Sri N.Padmanabha Ayyar,
Designation A.,B.E.,M.I.E.(Ind),I.S.E.,
Chief Engineer
(Irrigation-II),
Station Chepauk, Madras-5.

Received ——— Registered ———

To

The Secretary to Government,
(Ex-Officio)
Food and Agriculture(F.P.)Dept.,
M a d r a s.

Enclosures: Dem. No. 2699/52-B-8, dated 13th May 1953. 195 .

Sir,

Sub:- Irrigation - South Kanara District - Coondapur and Puttur taluks - Sankadaguṇḍi and Kandadka anicut schemes-

Ref:-Govt.F & Agri.(F.P.)Dept. Memorandum No.36751/F&A(FP) IIA/52-5 dated 15--4--53.

p. 15 ante

The subject is under examination and a reply will be sent to Government as early as possible.

May d.o. till 15.6.53

29/5/53.

for CHIEF ENGINEER(IRRIGATION-II).

13/5/53

PK/13-5

C.F. 82--14.67,656--21-3-52.

PUBLIC WORKS Department

From (Name) Sri N.Padmanabha Ayyar, B.A.,B.E, M.I.E.(Ind) I.S.E.
Designation Chief Engineer for Irrigation (II)
Station Chepauk, Madras.5.

Received ____ Registered ____

No

To

The Secretary to Government,
Food and Agriculture (Food Production Department, MADRAS.

BOARD OF REVENUE 17 BST 2-JUN 1953 FOOD PRODUCTION

Enclosures

No. 47/48 B-7, dated 26-5-53. 195

Sir,

Sub: IRRIGATION - South Kanara District - Puthur Taluk - Construction of anicut across Kandaka River.

Ref: Government Memorandum No. 36751/52-4 F.P. II A dated 22-1-53.

The Superintending Engineer has examined the proposal and has prepared an approximate estimate for Rs. 2.91 lakhs for constructing an anicut across the Kandaka river 1⅓ miles below the crossing of Jalasure-Subramania Road near the 8th mile, together with a bridge at the road-crossing in Puthur Taluk of South Kanara District. The Scheme is expected to benefit 103 acres during the I and II crop periods of which 30 acres are already under cultivation. The balance 73 acres have to be cleared of thick forest growth.

2. The scheme costs about Rs. 2830/acre. The Collector has reported that betterment fees of Rs. 4,250 are expected. Deducting this amount from the total cost of the scheme the return worked out by the collector is 0.24% and excluding the cost of the bridge the return comes to 0.80%.

3. The Superintending Engineer and the Collector do not recommend the scheme on account of its unremunerativeness.

4. The Superintending Engineer also reports that from experience of similar anicut schemes executed in South Kanara District, ~~that~~ the work cannot be completed within a period of 2 years and hence it cannot be taken up under '2 year Minor Irrigation Programme'.

5. The stream has not been gauged and therefore there is no reliable information about the availability of supply. The Scheme has to be investigated in detail if the proposals are to be taken up for which special staff would be required.

6. In these circumstances the scheme has to be taken as an ordinary Irrigation Scheme only after further detailed investigation by Special staff.

for Chief Engineer for Irrigation-II.

NSR. 27-5.

Enc: 1 estimate with report.
1 Copy of Collector's letter.
1 Key map.

Copy to the Secretary to Government, Public Works Department, MADRAS.

P. W. D. (J.I).

Endt No. 51009 J/53-1 dt. 6-53

Referred to the Bd of Rev, Madras for remarks.

Es
14/6/53

To

The Bd of Rev,
Madras
(with copy of
pp 19-39 f,
& pp 3-40 (F) ngl

ESTIMATE FORM - ABSTRACT.

21

Item No.	Quantity	Description of work	Rate	Per	Amount.
1.		Constructing anicut across Kandadka river in Ubaradkamuthur village of Puthur Taluk as per detailed estimate enclosed.	55000/-		55000/-
2.		Constructing a bridge across Kandadka river at 8th Mile in Jasuluer subramanyam Road	100000/-		1,00,000
3.		Constructing quarters for superior cooly lines inspection shed etc.			
		Section Officers 1000 Sft at 5-0-0	5000		
		Inspection shed 600 Sft at 5-0-0	3000		
		40 Cooly huts at 400 each	16000		
			24000		24,000
4.		Special Tools and Plants 2 pump set concrete mixer, stone crushers etc.,			12,900
5.		Unforeseen works, Fluctuation in market sales of material labour etc., say 10%			22,400ø
6.		Petty Supervision and Congingencies.			10,600
		Total		Rs.	2,24,000

DIRECT CHARGES.

Works Outlay		2,24,000
Establishment 25%		56,000
Tools and Plant 2%		4,480
Pensionary charge 8.019		4,491
INDIRECT CHARGES		
Audit and account	1%	2,240
		2,91,211
Construction of Anicut		55,000
Proportionate amount of other items aggregating to Rs. 69,800 will		23,300
		78,300

Sd. O.R.Narayanaswami Ayyar, 3/8/52.
Superintending Engineer, Coimbatore Circle.

//true Copy//

B. [illegible] 29-5-52
SUPERINTENDENT.

NSR. 27-5.

REPORT TO ACCOMPANY THE ESTIMATE OF KANDADKA ANICUT SCHEME.

1. General:-

South Kanara district lies on the West Coast of India and is different from other parts of Madras State in several aspects and irrigation schemes intended for this area have to take particular note of these peculiar features. The fact the district has got an abudunt rainfall of 130" per year led the Government to think in the past years that no irrigation facilities are required for the district. But unfortunately, the distribution of rainfall is uneven, about 3/4 of which is concentrated during the South West monsoon months of June to September and the balance being during the remaining 8 months while there are no records to prove the failure of South West Monsson in the past years, the vagaries of North East monsson are quite common. So while there is no necessity of providing any artificial irrigation facilities for raising the first crop, for raising the 2nd and 3rd crops, the need for some assistance is acutely felt. The district has got numerous streams with steep bed fall, scattered all over the district, having good discharges from June to December, but the discharge dwindles down during the remaing months.

The ryots are, at present, putting up mud bunds across the various streams in different reaches at the beginning of the 2nd crop and water that is stored is utilised either by baling or led into the fields by means of small channels excavated on the sides of steep hill slopes. Much ingenuity and skill is being displayed in the construction of these mud bunds and excavation of canals.

In view of the very rugged nature of the country and prevalances of the thick forests, most of the major schemes in the interior are not commensurate with the exorbitant cost that has to be incurred upon them. The cultivable lands consist of small patches of fields, separated by rocky hills and the cost of canal excavation with numberous cross drainage works is rather probitive under the impetus given by the Government for Grow More Schemes people have started migrating into the interior regions of the district, reclaim narrow flat lands on river margins after clearing the forest and utilize the river waters for irrigating these reclaimed lands. Though, this type of denudation of forest is not desirable in view of serious problem of soil erosin in the listrict, this is being encouraged in view of the acute food deficit of the state. Kandadka schemes belongs to one of this type and proposals have been formulated for constructing an anicut across Kandadka River.

2. Necessity, Location and Origin of the Scheme

The proposals for constructing an anicut across Kandadka river lies 1½ miles below the crossing of Kandakha river near the 8th mile stone on the Jalsure - Subramania Road and is situated in Ubaradka Mittur village of Puttur Taluk. The difficulty felt by the ryots is due to the recurring expenditure for the mud bund and also any unexpected rain after its construction results in its being washed away so there is instant demand for a permanent dam.

The scheme was being investigated on the petitions presented by the forest farms Ltd., Kasargod from time to time. The first petition was presented to the Chief Engineer, Irrigation through the Collector of South Kanara on 1-4-48 and was forwarded, in Chief Engineer for Irrigation's No. 1191/48-B, dated 12-3-48 for necessary action. The site was duly investigated and a preliminary report for Rs. 1,10,680 was submitted to the Chief Engineer for Irrigation in

P.T.O.

in S.E.'s En. 1325.I./9-8-49. In an endorsement to the Executive Engineer, South Kanara Division the Superintending Engineer stated that the report was very sketchy and the cost is reliable. The Chief Engineer for Irrigation however, considered the report and his Memo No.47/48-B-3. Dated 4-2-50 ordered that in the absence any record of flow, the anicut scheme costing Rs.1500/- per acre was not worth considering.

The petitioners meanwhile presented another petition to the Hon'ble Minister for Public Works during his visit to the district and the petition was forwarded in Dl.No.409.G/23-4-49for investigation. A masonry dam of 9' height had been proposed previously which would have meant raising of M.F.L. at least by 4' to 5' during monsoon. It was considered better to have a low masonry dam with needle shutters to make up the F.S.L. The question of availability of supply will be considered as and when the scheme is likely to be taken up for execution. It must also be mentioned in this connection that the forest Farms Ltd., finding that their petitions were not receiving immediate results also made an application for loan from the Government, so that they can at least construct the anicut by themselves. But the design prepared by their engineer, was found to be defective. So the scheme was further investigated as per Superintending Engineer's inspection notes dated 17-5-51.

3. Kandidka River:- This is a mountain stream about 100' wide with a steep bed fall. It has its source in Padunur village of Puttur Taluk and after flowing through a rugged terrain for a distance of about 12 miles, it joins the Payaswamini River near Sullia Town, 5 miles downstream of the proposed anicut site. The river drains a thickly wooded catchment of 23.7 sq.miles upto the anicut site. During the South West Monsoon the river brings down floods of short duration, innumerates narrow marginal lands for a short periods. It also bring down logs of dry timber from the forest. From the engineers it was ascertained that the river has enough flow till the end of January.

4. Previous History:-

It is reported that a mud dam of about 100' length 12' height was used to be put up by the ryots 100' upstream of the proposed site and water was used to divert into a small canal on left bank to irrigate the existing ayacut of 3035 acres for raising the 2nd crop. But any unexpected rain after its construction result in its being washed away. So the practice has been fallen into disuse and at present they are putting a mud dam 40' long across the tributary on left side, 60' up stream of the present site and water is utilized to raise the 2nd crop in the existing ayacut of 300 acres on left side with the help of canal. The remnants of an old canal is also seen on the right side and it is reported that it was possible to take water through that canal if an anicut is constructed at the present site so that there is great need to construct a pucca anicut.

5. Rainfall and availability of supply:

The average rainfall in the catchment will not be less than 150" of which 3/4 falls South West monsoon period. Minimum discharge required for raising 2nd crop in the proposed of 103 acres is about 4 cusecs, assuming a water duty of 30 acres/~~is about 4 cusecs assuming a water duty of 30 acres/cusecs~~. Local enquiries and actual observations made this year in January reveal that, there is enough flow for raising the third crop.

O. in the River - But there is no flow.

6. Scope of the scheme:

Out of the proposed ayacut of 103 acres only 30 acres on left side, have been reclaimed and

and about 70 acres are still covered with thick forest. The forest Farms Ltd., are agreeable to clear up the forest and reclaim the lands at their own cost as soon as the scheme is sanctioned. So 2 crops can be assumed in an ayacut of 103.0 acres.

7. Proposals:-The proposals consists of a vented dam with removable horizontal wooden shutters fixed between masonry piers, constructed on a concrete bed block. The shutters will be fitted during the 2nd crop to raise the F.S.L. to 108.000 level. Water is being fed into two canals through head sluices located on either side.

8. Choice of Anicut site:- The present site is situated about 100' downstream from the place where the mud tatla was used to be put up. At the site chosen, the width of the river is sufficiently less and sheet rock is seen for the entire width in the river bed. Head sluice can be conveniently located and all the proposed ayacut can be commanded with a reasonable height of anicut. Water of the tributary near the site on left bank can also be utilized and cost of constructing an aqueduct a/c previously proposed is dispensed with. As the sheet rock extends for sufficient length, no aprons are necessary.

9. Existing Irrigation facilities:-

First crop is being grown with the help of South West monsoon. By the construction of the mud dam across the tributary, and the existing Canal on left side, 2nd crop is raised in the above 30 acres of lands.

10. Crop season:-

First crop period extends from June to September 2nd crop from October to January and 3rd from February to May end.

11. Difficulties encountered:-

As already said, most of the proposed ayacut is covered with thick forest and forest has yet to be cleared up and lands, reclaimed. So the canal alignment has to be done through thick impenetrable forest. So it is not possible to take spot levels in the ayacut, unless the forest is clearead. But from the topography of the country, and in as much as they have taken water thr ugh the old canals, it is possible to command the lands on river side of either canal.

12. Description of the proposals:-

The proposals are intended for diverting the water into the Canals to irrigate 103 acres of 2nd crop with the crest level with F.S.L. level at 108.00. As the bed is rocky at the site; open foundations are proposed. Suitable bending of rock has to be done before the bed block ofConcrete is laid and necessary dowel bars have to be provided to secure proper bond.

The total length of the anicut is 116' with one scour vent of 6' span and 5' height on right flank. The average bed level at site works out 98.70 and so the sill level at scour vent is maintained at 98.00. The scour vent has a breast wall and platform level at scour is kept 3' above the calculated M.F.L. at site i.e., 116.00. Screw gearing shutter is provided for the scour vent. It also serves the purpose of regulation of small floods during 2nd crops season when shutters are fitted up. The body wall consists of a bed block of Cement concrete 1:3:6, 13' wide with the crest level at 102.00. Masonry piers of coursed rubble masonry in Cement Mortar 1:3 are constructed on this up 108.00 (Storage level) and necessary grooves are provided in the pier to fit up horizontal wooden shutters. The piers are 3' thick and clear width of ventway is 8'.

p.t.o.

No. check for cross-thrust has been made for the pier, as regulator has to be done entirely with screw gearing shutters and wooden shutters will remain always closed during the 2nd crop. The over flow part on anicut consists of 10 venways of 8' span.

As rocky bed extends for sufficient length downstream of anicut, no aprons are proposed.

(ii) Bank connections:-Necessary abutments, retaining walls wings have been provided. Flood banks have to be taken to reach high ground on either side and top level of flood banks 3' above calculated M.F.L. at site 116.00 and it is revetted on all sides.

Head sluices ~~xk~~ have to be located in these.

(iii) Head sluice:- Each head sluice has been designed to have a maximum discharging capacity of 4 cusecs. Necessary earth connections for the head sluice have been shown in the drawings.

(iii) Canals:- The right side canal is about 8100' in length of which 5100' have already been excavated and left side canal length is 3550'. These canals have to be properly tremmed and remodelled. The manager forest Farms have already given their consent statements to the Superintending Engineer for the exeavation of main and branch channels themselves at their own cost and hence no provision is made in their estimate for the above.

13. Maximum flood discharge and disposal. The hydraulic calculations for the anicut have been worked out in great detail. The M.F.L. discharge has been worked out both by the kutters formulae and by Ryres formulae and necessary provision has been made in the anicut for disposing of the floods with an afflux of 1.5'.

14. Effect on existing interest:- When shutters are fitted up and water stands upto 108.00 level, the Jalasur Subramania road about 1½ miles up stream of the anicut, will have a standing depth of water of 3½' at the point of crossing. This road is not passable at this point during monsoon months as the river will be in floods and only motorable in summer months when there is good pilgirmage traffic to subramania and lorry traffic carrying forest products like timber canes, etc. As the anicut proposals are going to interfere with this normal traffic on this important road, a bridge has to be constructed here. Moreover there is already strong agitation for a pucca bridge. Regarding the construction of a pucca bridge, this was discussed by the sub-divisional officer with Superintending Engineer during the latter's camp at Kasargod in February 1952 and as per Superintending Engineer's instructions, proposals have been formulated. The difference in cost of construction of a pucca and submergible bridge is only about 20%, a pucca bridge is now preferred.

ii) Site for the bridge:- This bridge connects the existing lines of communication. The width of the river is hardly 100' and river runs on a straight course and as high ground is available on either side, approach roads can be formed with minimum cost.

(iii) Foundation difficulties:- Trial pits and probing results, conducted at the bridge site reveal that hard strata is not met with even upto 12' depth. The bed is Sandy scour depth has been worked

out theoretically and works out to 14' and it is proposed to take the wells to a depth of 20'

(iv) Selection of type of bridge:-

Though a R.C. bowsting girder bridge of single span of 100' is preferable (In view of foundation difficulties) in view of the greater cost and non-availability of skilled labour in the locality, R.C. beam and slab bridge is preferred.

(v) Description of Bridge:-

Hydraulic Calculation for the bridge has been worked out in great detail and sufficient water way has been provided.

The total length of the bridge is 102' with 3 spans of 30' clear and intermediate masonry piers 6' thickness. The bridge has to be designed for revised I.R.C. class A loading (Bogie with 2 trailers (1949)) and approximate dimensions for slab thickness and Tee beam have been fixed based upon similar designs Bar bending schedule, details of reinforcement will be done in detail when the design is finally approved. The cost for the deck has been worked out approximately for the time being.

15. Materials:-

The leads for various materials of construction for anicut as well as bridge are shown in the lead statement. Cement has to be taken from Kasargod, the nearest rail head.

16. Labour:-

Skilled labour is very scarce in the locality, so labour has to be imported from outside and necessary provision in the estimate has been made both for importing labour and providing temporary labour lines etc.,

17. SPECIAL TOOLS AND PLANTS:- Pumping sets are required for sinking well foundations for bridge and also for laying foundations for anicut. So provision has been made in the estimate.

18. SPECIAL ESTABLISHMENT:-

One Junior Engineer can look after the construction of both the bridge and anicut.

19. REVENUE AND FINANCIAL ASPECTS OF THE SCHEME:-

As already stated, the bridge is highly important from the Communication side and already there is strong agitation for a pucca bridge so it is desirable to exclude the cost of bridge in the scheme. However, the cost of the bridge has been included in assessing the revenue and financial aspects of the scheme.

Cost of anicut (Works out lay) inclusive of anicut and bridge.		2,91,211.
Revenue.		
Water Tax at Rs. 5/- acre on 103 acres		515
Deduct 10% collection charges.		51
Net Revenue realised.	Rs.	464
Return on capital outlay	$\frac{464 \times 100}{2,91,211}$	0.16%

p.t.o.

FOOD PRODUCTION

The Scheme will assure an additional food production to an extent 35 tons valued at Rs. 8750 at Rs. 250/Ton.

Recommendation.

The ~~xxxxxx~~ cost of the Scheme works out to Rs. 2,91,211/- The ayacut to an extent of 70 acres have not so far been reclaimed to cultivate the first crop during South West monsoon. The river has not been gauged during the second crop period and the availability is based only on the observations of flow on few days in January 1952. Even assuming the lands will be reclaimed by the ryots concerned and the required flow available, this preliminary report gives a return of only about 0.16% . Even after excluding the cost of the bridge the return works to $\frac{464 \times 100}{78,800}$ i.e. 0.6% only. Hence the scheme is not remunerative as per the latest orders of the Govennment.

(Sd). O.R. Narayanaswami Ayyar, 3-8-52.
Superintending Engineer, Coimbatore Circle.

//true Copy//

NSR. 28-5.

SUPERINTENDENT.

Copy of letter No. D. Dis. No. 23170/52 dated 17-2-53 of the Collector of South Kanara, Mangalore.

Sub: IRRIGATION - S.K. - Puttur taluk - Kandadka Anicut - Scheme - Proposals -

Ref: Your Reference No. C. 2784/52 D.II dated 3-8-52.

I enclose a copy of the report of the Revenue Divisional Officer, Puttur in his D. Dis. No. 8813/52 dated 30-1-53. For the reasons stated by him, the execution of the Scheme is not recommended.

(By order)

Sd. xx xx,
Receiption Dy. Tahsildar.

Copy of letter D. Dis. No. 8813/52 dt. 30-1-53 from the Revenue Divisional Officer, Puttur to the Collector of South Kanara District, Mangalore.

Irrigation - Puttur taluk - Ubradkamithur Village Kandadka - river - Kandadka anicut scheme - revenue and administration aspects report submitted.

Ref: Collector's Ref. C. No. 23170/52 F.P. 1 dt. 24-9-62.

The present proposals in this case are to construct a permanent dam across the Kandadka river near S.No. 13 of Ubradkamithur village at the site marked A in the eyesketch (page 15 C.F. of Collector's D. Dis. 28127/50 and to divert the water through the channels for the cultivation of the lands situated on either side of the river. The site of the dam is 1½ miles below the crossing of Kandadka river near the 8th mile stone on the Jalsoor-subramania Road.

2. I have inspected the Kandadka river crossing site, the dam site and the lands likely to be benefitted by the scheme on 29-1-53 after giving advance intimation of my inspection to the benefitting ryots.

3. The river in question is not a registered source of irrigation. Particulars of lands to be benefitted have been furnished after local enquiry. An extent of 21.47 acres under I crop 8.82 acres under the II crop and 7.49 acres of garden lands at present derive the benefit of the river water. If the scheme under contemplation materializes, it may irrigate 103.77 acres each under I and II crops and 64.46 acres under III crop besides providing sufficient water supply for about 9.80 acres of garden lands. About 250.33 acres of lands in the aggregate would be newly brought under cultivation as a result of the scheme and an additional yield of 125 tons of rice per year is expected.

4. An extent of 103.77 acres of dry and other lands would be converted into double crop wet and this an additional revenue of Rs. 571-9-0 is expected per annum by way of assessment, as all these lands can be assessed at Rs. 7-1-0 per acre which is the highest wet rate in the village.

(p.t.o.)

Of the ayacutdars excepting Sri P.N.Bhat and Shakaranarayana Bhat the rest have stated that they are not willing to pay any betterment contribution towards the cost but they are prepared to pay the water charge. Dr. P.N.Bhat as managing in Director of the Forest farms Ltd. has given his consent statement agreeing to pay the betterment fee at Rs.50/- per acre over the land benefitted besides the water rate. Sri Sankaranarayana Bhat has 1.65 acres of land. He has also agreed to pay betterment fee at Rs. 50/- per acre in addition to the water charge. The extent of the lands of the Forest Farms Ltd. that would be irrigated is 79.35 acres. In all therefore a sum of Rs. 4050/- towards the betterment contribution is expected.

Preliminary investigation conducted by the Engineering staff shows that the construction of a permanent dam would submerge the Jalsoor-subramania Road, at the acrossing of Kandadka river and water would be stagnated on the road upto a height of 3½ feet. Construction of a pucca bridge has therefore been proposed. The total cost of the anicut and the bridge works out to Rs. 291211/- The costs of the anicut alone is estimated at Rs. 78300/- excluding also the cost of the channel. The forest farms and the other ayacutdars have undertaken to excavate the channel at their cost and as such the estimate does not include the costs of the channels. Deducting the betterment contribution the next cost of the scheme therefore works out to Rs. 74250/-

Additional revenue that would be derived after execution of the work is estimated at Rs. 571-9-0 The return from the scheme works out 0.80% if the cost of the bridge is excluded and to 0.24% of the cost of the bridge is also taken into account. The financial outturn for the initials heavy outlay is too poor and the scheme is not remunerative and therefore not likely to be taken up especially in view of the deficit revenues of the state.

Besides an extent of about 70 acres is yet to be reclaimed by the ayacutdars and channels also to be constructed by them at their cost and their is no guarantee that they will complete it. Moreover the river has not been guaged during the II crop period even according to the Superintending Engineer and the availability of water is based only on the observations of flow on a few days in January 1952. It cannot therefore be said with any degree of certainity that the water will be adequate for irrigating 103.77 acres of additional land. Taking all these aspects into consideration I agree with the Superintending Engineer, that the scheme is unremunerative and may therefore be dropped.

Particulars regarding Subsidy.

1. Total costs of the Scheme including direct and indirect charges.	Rs. 74250/-
2. Area to be benefitted.	Rs. 113.57 acres
3. Gross additional revenue	Rs. 571-9-0 (as per statement enclosed 0.80%)
3. Subsidy from the Government of India (total cost of the Scheme) 20 (Gross additional revenue)	

(p.t.o.)

STATEMENT II.

1. Total cost of the Scheme (including direct and indirect charges. Rs. 74250/-

2. (a) Government of India Share -- --
   (b) Provincial Governments Share -- --
3. Acreage to be brought under cultivation 255.03 Acres.

4. No. of works completed
5. Extra food expected .. 125 tons of rice.
6. Area which the Scheme will benefit .. 113.57 acres.
7. Duration of the Scheme . one year
8. Results achieved under the previous year's scheme. ---

//true copy//

B. C. Pereira 24-5-63

NSR. 27-5. SUPERINTENDENT.

24/5

C.F. 82 -14,67,656—21-3-52.

PUBLIC WORKS Department

From (Name) Sri N.Padmanabha Ayyar, B.A.,B.E, M.I.E.(Ind) I.S.E.
Designation Chief Engineer for Irrigation (II)
Station Chepauk, Madras.5.

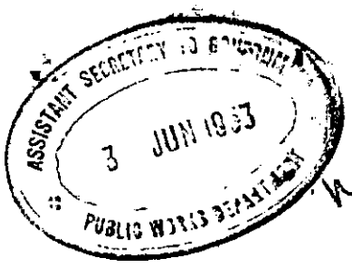
Received ——— Registered ———
No

The Secretary to Government,
Food and Agriculture (Food Production) Department, MADRAS.

Enclosures:

No. 47/48 B-7, dated 26-5-53. 195

Sir,



Sub: IRRIGATION - South Kanara District - Puthur Taluk - Construction of anicut across Kandaka River.

Ref: Government Memorandum No. 36751/52-4 F.P. II A dated 22-1-53.

The Superintending Engineer has examined the proposal and has prepared an approximate estimate for Rs. 2.91 lakhs for constructing an anicut across the Kandaka river 1½ miles below the crossing of Jalasure-Subramania Road near the 8th mile, together with a bridge at the road-crossing in Puthur Taluk of South Kanara District. The Scheme is expected to benefit 103 acres during the I and II crop periods of which 30 acres are already under cultivation. The balance 73 acres have to be cleared of thick forest growth.

2. The scheme costs about Rs. 2830/acre. The Collector has reported that betterment fees of Rs. 4,250 are expected. Deducting this amount from the total cost of the scheme the return worked out by the collector is 0.24% and excluding the cost of the bridge the return comes to 0.80%.

3. The Superintending Engineer and the Collector do not recommend the scheme on account of its unremunerativeness.

4. The Superintending Engineer also reports that from experience of similar anicut schemes executed in South Kanara District, that the work cannot be completed within a period of 2 years and hence it cannot be taken up under '2 year Minor Irrigation Programme'.

5. The stream has not been gauged and therefore there is no reliable information about the availability of supply. The Scheme has to be investigated in detail if the proposals are to be taken up for which special staff would be required.

6. In these circumstances the scheme has to be taken as an ordinary Irrigation Scheme only after further detailed investigation by Special staff.

29/5/53

NSR. 27-5. for Chief Engineer for Irrigation-II.

Enc: 1 estimate with report.
1 Copy of Collector's letter
1 Key map.

Copy to the Secretary to Government, Public Works Department, MADRAS.

sum ~ 123 4

REPORT TO ACCOMPANY THE ESTIMATE OF KANDADKA ANICUT SCH.

1. General:-

South Kanara district lies on the West Coast of India and is different from other parts of Madras State in several aspects and irrigation schemes intended for this area have to take particular note of these peculiar features. The fact the district has got an abundant rainfall of 130" per year led the Government to think in the past years that no irrigation facilities are ~~required~~ required for the district But unfortunately, the distribution of rainfall is uneven, about 3/4 of which is concentrated during the South West monsoon months of June to September and the balance being during the remaining 8 months while there are no records to prove the failure of South West Monsson in the past years, the vagaries of North East monsson are quite common. So while there is no necessity of providing any artificial irrigation facilities for raising the first crop, for raising the 2nd and 3rd crops, the need for some assistance ⊙ with steep bed fall, scattered all over the district, having good discharges from June to December, but the discharge dwindles down during the remaing months.

⊙ is acutely felt. the district has got numerous streams..

The ryots are, at present, putting up mud bunds across the various streams in different reaches at the beginning of the 2nd crop and water that is stored is utilised either by baling or led into the fields by means of small channels excavated on the sides of steep hill slopes. Much ingenuity and skill is being displayed in the construction of these mud bunds and excavation of canals.

In view of the very rugged nature of the country and prevalances of the thick forests, most of the major schemes in the interior are not commensurate with the exorbitant cost that has to be incurred upon them. The cultivable lands consist of small patches of fields, separated by rocky hills and the cost of canal excavation with numberous cross drainage works is rather prohibitive under the impetus given by the Government for Grow More Scheme people have started migrating into the interior regions of the district, reclaim narrow flat lands on river margins after clearing the forest and utilize the river waters for irrigating these reclaimed lands. Though, this type of denudation of forest is not desirable in view of serious problem of soil erosion in the district, this is being encouraged in view of the acute food deficit of the state. Kandadka scheme belongs to one of this type and proposals have been formulated for constructing an anicut across Kandadka River.

2. Necessity, Location and Origin of the Scheme

The proposals for constructing an anicut across Kandadka river lies 1½ miles below the crossing of Kandakha river near the 8th mile stone on the Jal sure - Subramania Road and is situated in Ubaradka Mittur village of Puttur Taluk. The difficulty felt by the ryots is due to the recurring expenditure for the mud bund and also any unexpected rain after its construction results in its being washed away so there is instant demand for a permanent dam.

The scheme was being investigated on the petitions presented by the forest farms Ltd., Kasargod from time to time. The first petition was presented to the Chief Engineer, Irrigation through the Collector of South Kanara on 1-4-48 and was forwarded, in Chief Engineer for Irrigation's No. 1191/48-B, dated 12-3-48 for necessary action. The site was duly investigated and a preliminary report for Rs. 1,10,680 was submitted to the Chief Engineer for Irrigation in

P.T.O.

in S.E.'s Mn. 1325.I./9-8-49. In an endorsement to the Executive Engineer, South Kanara Division the Superintending Engineer stated that the report was very sketchy and the cost is reliable. The Chief Engineer for Irrigation however, considered the report and his Memo No.47/48-B-3. Dated 4-2-50 ordered that in the absence any record of flow, the anicut scheme costing Rs.1500/- per acre was not worth considering.

The petitioners meanwhile presented another petition to the Hon'ble Minister for Public Works during his visit to the district and the petition was forwarded in Dl.No.409.G/23-4-49for investigation. A masonry dam of 9' hdght had been proposed previously which would have meant raising of M.F.L. at least by 4' to 5' during monsoon. It was considered better to have a low masonry dam with needles shutters to make up the F.S.L. The question of availability of supply will be considered as and when the scheme is likely to be taken up for execution. It must also be mentioned in this connection that the forest Farms Ltd., finding that their petitions were not receiving immediate results also made an application for loan from the Government, so that they can at least construct the anicut by themselves. But the design prepared by their engineer, was found to be defective. So the scheme was further investigated as per Superintending Engineer's inspection notes dated 17-5-51.

3. Kandidka River:- This is a mountain stream about 100' wide with a steep bed fall. It has its source in Padumur village of Puttur Taluk and after flowing through a rugged terrain for a distance of about 12 miles, it joins the Payaswanim River near Sullia Town, 5 miles downstream of the proposed anicut site. The river drains a thickly wooded catchment of 23.7 sq.miles upto the anicut site. During the South West Monsoon the river brings down floods of short duration, inmumerates narrow marginal lands for a short periods. It also bring down logs of dry timber from the forest. From the engineers it was ascertained that the river has enough flow till the end of January.

4. Previous History:-

It is reported that a mud dam of about 100' leng 12' height was used to be put up by the ryots 100' upstream of the proposed site and water was used to divert into a small canal on lef bank to irrigate the existing ayacut of 3035 acres for raising the 2nd crop. But any unexpected rain after its construction result in its being washed away. So the pucca practice has been fallen into disuse and at present they are putting a mud dam 40' long across the tributary on left side, 60' up stream of the present site and water is utilized to raise the 2nd crop in the existing ayacut of 300 acres on left side with the help of canal. The remnants of an old canal is also seen on the right side and it is reported that it was possible to take water through that canal if an anicut is constructed at the present site so that there is great need to construct a pucca anicut.

5. Rainfall and availability of supply:

The average rainfall in the catchment will not be less than 150" of which 3/4 falls South West monsoon period. Minimum discharge requi for raising 2nd crop in the proposed of 103 acres is about 4 cusecs, assuming a water duty of 30 acres/cusecs. ~~is about 4 cusecs assuming a water duty of 30 acres/cusecs.~~ Local enquiries and actual observations mad this year in January reveal that, there is engough flow for raising t third crop.

① in the River But there is no flow

6. Scope of the scheme:

Out of the proposed ayacut of 103 acres 30 acres on left side, have been reclaimed and

and about 70 acres are still covered with thick forest. The forest Farms Ltd., are agreeable to clear up the forest and reclaim the lands at their own cost as soon as the scheme is sanctioned. So 2 crops can be assumed in an ayacut of 103.0 acres.

7. Proposals:-The proposals consists of a vented dam with removable horizontal wooden shutters fixed between masonry piers, constructed on a concrete bed block. The shutters will be fitted during the 2nd crop to raise the F.S.L. to 103.000 level. Water is being fed into two canals through head sluices located on either side.

8. Choice of Anicut site:- The present site is situated about 100' downstream from the place where the mud tatla was used to be put up. At the site chosen, the width of the river is sufficiently less and sheet rock is seen for the entire width in the river bed. Head sluice can be conveniently located and all the proposed ayacut can be commanded with a reasonable height of anicut. Water of the tributary near the site on left bank can also be utilized and cost of constructing an aqueduct as previously proposed is dispensed with. As the sheet rock extends for sufficient length, no aprons are necessary.

9. Existing Irrigation facilities:- First crop is being grown with the help of South West monsoon. By the construction of the mud dam across the tributary, and the existing Canal on left side, 2nd crop is raised in the above 30 acres of lands

10. Crop season:- First crop period extends from June to September 2nd crop from October to January and 3rd from February to May end.

11. Difficulties encountered:- As already said, most of the proposed ayacut is covered with thick forest and forest has yet to be cleared up and lands, reclaimed. So the canal alignment has to be done through thick impenetrable forest. So it is not possible to take spot levels in the ayacut, unless the forest is clearedared. But from the topography of the country, and in as much as they have taken water thr ugh the old canals, it is possible to command the lands on river side of either canal.

12. Description of the proposals:- The proposals are intended for diverting the water into the Canals to irrigate 103 acres of 2nd crop with the crest level with F.S.L. level at 108.00. As the bed is rocky at the site; open foundations are proposed. Suitable bending of rock has to be done before the bed block of Concrete is laid and necessary dowel bars have to be provided to segure proper bond.

The total length of the anicut is 116' with one scour vent of 6' span and 5' height on right flank. The average bed level at site works out 98.70 and so the sill level at scour vent is maintained at 98.00. The scour vent has a breast wall and plat form level at scour is kept 3' above the calculated F.S.L. at site i.e., 116.00. Screw gearing shutter is provided for the scour vent. It also serves the purpose of regulation of small floods during 2nd crop season when shutters are fitted up. The body wall consists of a bed block of Cement concrete 1:3:6, 13' wide with the crest level at 102.00. Masonry piers of course rubble masonry in Cement Mortar 1:3 are constructed on this up 108.00 (Storage level) and necessary grooves are provided in the pier to fit up horizontal wooden shutters. The piers are 3' thick and clear width of ventway is 3'.

No. check for cross-thrust has been made for the pier, as regulator has to be done entirely with screw gearing shutters and wooden shutters will remain always closed during the 2nd crop. The over flow part on anicut consists of 10 venways of 8' span.

As rocky bed extends for sufficient length downstream of anicut, no aprons are proposed.

(ii) Bank connections:-Necessary abutments, retaining walls wings have been provided. Flood banks have to be taken to reach high ground on either side and top level of flood banks 3' above calculated M.F.L. at site 116.00 and it is revetted on all sides.

Head sluices ~~xx~~ have to be located in these.

(iii) Head sluices:- Each head sluice has been designed to have a maximum discharging capacity of 4 cusecs. Necessary earth connections for the head sluice have been shown in the drawings.

(iii) Canals:- The right side canal is about 8100' in length of which 5100' have already been excavated and left side canal length is 3550'. These canals have to be properly trenmed and remodelled. The manager forest Farms have already given their consent statements to the Superintending Engineer for the excavation of main and branch channels themselves at their own cost and hence no provision is made in their estimate for the above.

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15. Materials:- The leads for various materials of construction for anicut as well as bridge are shown in the lead statement. Cement has to be taken from Kasargod the nearest rail head.

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17. SPECIAL TOOLS AND PLANTS:- Pumping sets are required for sinking well foundations for bridge and also for laying foundations for anicut. So provision has been made in the estimate.

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19. REVENUE AND FINANCIAL ASPECTS OF THE SCHEME:-

As already stated, the bridge is highly important from the Communication side and already there is strong agitation for a pucca bridge so it is desirable to exclude the cost of bridge in the scheme. However, the cost of the bridge has been included in assessing the revenue and financial aspects of the scheme.

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Deduct 10% collection charges.		51
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p.t.o.

FOOD PRODUCTION

The Scheme will assure an additional food production to an extent 35 tons valued at Rs. 8750 at Rs. 250/Ton.

Recommendation.

The ~~ayacut~~ cost of the Scheme works out to Rs. 2,91,211/- The ayacut to an extent of 70 acres have not so far been reclaimed to cultivate the first crop during South West monsoon. The river has not been gauged during the second crop period and the availability is based only on the observations of flow on few days in January 1952. Even assuming the lands will be reclaimed by the ryots concerned and the required flow available, this preliminary report gives a return of only about 0.16% . Even after excluding the cost of the bridge the return works to $\frac{464 \times 100}{78,800}$ i.e, 0.6% only. Hence the scheme is not remmnerative as per the latest orders of the Government.

(Sd) O.R. Narayanaswami Ayyar, 3-8-52.
Superintending Engineer, Coimbatore Circle

//true Copy//

NSR. 28-5.

SUPERINTENDENT.

Copy of letter No. D. Dis. No. 23170/52 dated 17-2-53 of the Collector of South Kanara, Mangalore.

Sub: IRRIGATION - S.K. - Puttur taluk - Kandadka Anicut - Scheme - Proposals -

Ref: Your Reference No. C. 2784/52 D.II dated 3-8-52.

I enclose a copy of the report of the Revenue Divisional Officer, Puttur in his D. Dis. No. 8813/52 dated 30-1-53. For the reasons stated by him, the execution of the Scheme is not recommended.

(By order)

Sd. xx xx,
Receiption Dy. Tahsildar.

Copy of letter D. Dis. No. 8813/52 dt. 30-1-53 from the Revenue Divisional Officer, Puttur to the Collector of South Kanara District, Mangalore.

Irrigation - Puttur taluk - Ubradkamithur Village Kandadka - river - Kandadka anicut scheme - revenue and administration aspects report submitted.

Ref: Collector's Ref. C. No. 23170/52 F.P. 1 dt. 24-9-5

The present proposals in this case are to construct a permanent dam across the Kandadka river near S.No. 18 of Ubradkamithur village at the site marked A in the eyesketch (page 15 C.F. of Collector's D. Dis. 28127/50 and to divert the water through the channels for the cultivation of the lan situated on either side of the river. The site of the dam i 1¼ miles below the crossing of Kandadka river near the 8th mile stone on the Jalsoor-subramania Road.

2. I have inspected the Kandadka river crossing site, the dam site and the lands likely to be benefitted by scheme on 29-1-53 after giving advance intimation of my inspection to the benefitting ryots.

3. The river in question is not a registered source of irrigation. particulars of lands to be benefitted have been furnished after local enquiry. An extent of 21.47 acres [illegible] I crop 8.82 acres under the II crop and 7.49 acres of garden lands at present derive the benefit of the river water. If the scheme under contemplation materializes, it may [illegible] 103.77 acres each under I and II crops and 64.46 acres [illegible] III crop besides providing sufficient water supply [illegible] 9.80 acres of garden lands. About 250.33 acres of [illegible] the aggregate would be newly brought under cultivation [illegible] result of the scheme and an additional yield of [illegible] rice per year is expected.

4. An extent of 103.77 acres of dry and [illegible] would be converted into double crop wet and thus [illegible] revenue of Rs. 571-9-0 is expected per annum [illegible] an additional assessment, as all these lands can be assessed at Rs. [illegible] per acre which is the highest wet rate in the village.

(p.t.o.

Of the ayacutdars excepting Sri P.N.Bhat and Shakaranarayana Bhat the rest have stated that they are not willing to pay any betterment contribution towards the cost but they are prepared to pay the water charge. Dr. P.N.Bhat as managing in Director of the Forest farms Ltd. has given his consent statement agreeing to pay the betterment fee at Rs.50/- per acre over the land benefitted besides the water rate. Sri Sankaranarayana Bhat has 1.65 acres of land. He has also agreed to pay betterment fee at Rs. 50/- per acre in addition to the water charge. The extent of the lands of the Forest Farms Ltd. that would be irrigated is 79.35 acres. In all therefore a sum of Rs. 4050/- towards the betterment contribution is expected.

Preliminary investigation conducted by the Engineering staff shows that the construction of a permanen dam would submerge the Jalsoor-subramania Road, at the acrossing of Kandadka river and water would be stagnated on the road upto a height of 3½ feet. Construction of a pucca bridge has therefore been proposed. The total cost of the aniout and the bridge works out to Rs. 291211/. The costs of the aniout alone is estimated at Rs. 72300/- excluding also the cost of the channel. The forest farms and the other ayacutdars have undertaken to excavate the channel at their cost and as such the estimate does not include the costs of the channels. Deducting the betterment contribution the nett cost of the scheme therefore works out to Rs. 74250/-

Additional revenue that would be derived after execution of the work is estimated at Rs. 571-9-0 The return from the scheme works out 0.80% if the cost of the bridge is excluded and to 0.24% of the cost of the bridge is also taken into account. The financial outturn for the initials heavy outlay is too poor and the scheme is not remunerative and therefore not likely to be taken up especially in view of the deficit revenues of the state.

Besides an extent of about 70 acres is yet to be reclaimed by the ayacutdars and channels also to be constructed by them at their cost and their is no guarante that they will complete it. Moreover the river has not been guaged during the II crop period even according to th Superintending Engineer and the availability of water is based only on the observations of flow on a few days in January 1962. It cannot therefore be said with any degre of certainity that the water will be adequate for irrigat 103.77 acres of additional land. Taking all these aspect into consideration I agree with the Superintending Engine that the scheme is unremunerative and may therefore be dropped.

<u>Particulars regarding Subsidy.</u>

1. Total costs of the Scheme including direct and indirect charges.	Rs. 74250/-
2. Area to be benefitted.	Rs. 113.57 acr
3. Gross additional revenue	Rs. 571-9-0 (a per statement enclosed 0.80%
3. Subsidy from the Government of India (total cost of the Scheme) 20 (Gross additional revenue)	

(p.t.o.)

Scan - 4 Plans

STATEMENT II:

1. Total cost of the Scheme (including direct and indirect charges. Rs. 74220/-
2. (a) Government of India Share -- --
   (b) Provincial Governments Share -- --
3. Acreage to be brought under cultivation 255.03 Acres.
4. No. of works completed
5. Extra food expected .. 125 tons of rice.
6. Area which the Scheme will benefit .. 113.57 acres.
7. Duration of the Scheme . one year
8. Results achieved under the previous year's scheme. ---

//true copy//

B. Chakravarthy

NSR. 27-5. SUPERINTENDENT.

4/225

25/26.6

JSG-1
hr 3
2576

K/E. 2/6.

K on 65 mg.

4/25/6

JHA (20) Sept I

Numero. 1900 2/53-1 JP II A D 25-6-53

Irrigation - Sgt Minor Programme - Anicut Scheme - Estimate and Plans - Called for.

Read:- Extract from the Welcome address presented by the public of Sullia Firka, Puttur Tk, on 21.X.52 to the Minister for Industries, Labour and Transport

64

A copy of the extract cited is communicated to the CE(1) - II and he is requested to expedite the submission of estimate and plans for ~~the~~ Kandaka Ancut Scheme.

[illegible]

by 23/6/53 MS 25/6/53

To

The CE(1) - II

Rk Copy of K ors 5 Nf.

DESPATCHED
29 JUN 1953

C.F. 32 (a)—184,468—15-11-52

PUBLIC WORKS ——Department

From (Name) Sri N.Padmanabha Ayyar, B.A.,B.E.,M.I.E. (Ind),I.S.E.,
Designation Chief Engineer (Irrigation-II),
Station Chepauk, Madras 5.

Received ——— Registered ———

To

The Secretary to Government
(Ex-Officio)
Food & Agriculture (Food Production) Department,
Chepauk, Madras.

Enclosures No. 47/48-B-11 dated 8th July 1953

Sub:- Irrigation - South Kanara District - Buttur Taluk- Kandaka Anicut scheme - report-

Ref:-Government Memo No.19002/53-1 F.P.II.A d/25-6-53

I invite a reference to this office letter No.47/48-B-7 d/26-5-53 wherein a report on the subject has been sent to Government

For Chief Engineer (Irrigation-II)

prc.8/7

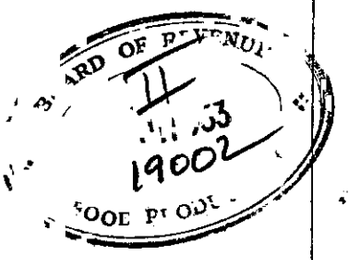
bearing

Extract Notes from the File/C.No.122975-P&DI/52 Development Department.

67

Sub: Land Development - Malnad - South Kanara District - Sullia Firka - Needs - Representation to M.(I&L)

****



To A.S.

The welcome address presented to M. (I&L) by the Public of Sullia Firka, Puttur taluk, South Kanara District when the Minister toured the district in the c.f. and the minutes of Minister at 'A' on p. 1.c.f. may be perused.

The Public of Sullia Firka while expressing their gratitude to the Government for extending the Rural Welfare Scheme to the Sullia firka have made the following requests:

xx xx xx

(3) Proper irrigational facilities such as construction of dams and anicuts wherever possible may be provided;

Item (3) on p.1 above:- The Forest Grievances Enquiry Committee, South Kanara was of the view that any proposals for irrigation works coming from Malnad have not been neglected in the past but have been examined and pursued. However the C.E. (I) has been requested to examine the feasibility of treating the following two irrigation schemes as Intensive Cultivation Schemes and in such an event submit necessary proposals:

What delays orders?

(1) Construction of an anicut across Sanalagundi River in Coondapoor taluk; and

(2) Construction of an anicut across Kandalka river in Puttur taluk

However extracts may be sent to P.W.D for necessary action.

P.A. 29.11.52 A.C. 1.12.52

I have already commented ~~communicated~~ on the P.W. programme and suggested that no improvement can be expected unless an E.E., interested in the development of the District is posted to South Kanara.

J.M.L. ~~Lobo Prabhu~~,
~~Secretary to Government~~.
5.12.52

R. 68

Development Dept.

To A.S.

The file may be sent to the F&A(F.P.) Dept. for remarks on the point raised by Secretary to 'X' one p③ above.

P.A.
31-1-53 F&A(F.P) Dept.

F&A(F.P.) Deptt.

A.S

Please see the notes of the Devt. Department at pp.1-6 ante. This file has been sent to this Department with reference to X at p.③ ante.

2. With reference to the orders of the Govt. in G.O. Ms No. 2150, Development Department, dated 19-5-52, the two irrigation schemes referred to at M on p.3 ante are being pursued in this Deptt. It is proposed to consider the two schemes under the Special M.I. Programme after the Govt. of India's sanction of loan therefor is received as under the present policy of the Govt.. no new irrigation work can be taken up under the I.C. Campaign. The C.E. has submitted the plans and estimate inrespect of the Sankadagundi anicut scheme while he has been directed to expedite finalization and submission of the proposals in respect of the Kandadka Anicut scheme. The C.E. has been informed that there is much pressure on the Govt. for the development of Malnad area and the Kandadka Anicut scheme, if expedited, will be of immense advantage to the undeveloped area. These schemes will be considered for sanction as soon as proposals are received in complete shape from the C.E. and the approval of the Govt. of India to the special M.I. Programme for 1952-53 is received.

3. With these remarks, this file may be returned to Development Department.

xxx/ 19-2-53 xxxx/ 19-2-53
D.S (E.O.)

Dev. Dept

Rs

~~To A.S.~~

~~The notes of F&A (F.P) Dept on pp.8-9 above may be perused. The report called for from the Jt. D.A at n.3. c.f may be awaited till 5-3-53.~~

~~P.A./ 24-1-53~~

xx xx xx

Dev. (P&DI) Dept.

To A.S.

This file deals with the following requets made by the public of Sullia Firka, South Kanara District, in their welcome address presneted to M.(I&L) on 21-10-52:-

xx xx xx

(3) Proper irrigational facilities such as construction of dams and anicuts wherever possible may be provided;

xx xx xx

As regards the irrigation schemes in S. Kanara Malnad, the C.E. has submitted plans and estimates in respect of the construction of an anicut across Sangalagundi River, and he has been directed to expedite submission of the proposals in respect of construction of an anicut across Kandaka river. It is proposed to consider these two schemes in F.&A.(F.P.) Dept. under the special programme after the Govt. of India's sanction of loan therefor is received.

xx xx x

P.A./26-4-53

~~Secretary~~

We can show a lot on paper, on what is likely to be done in South Kanara, but in actual fact, the achievement is pitiful; For instance, it is nearly two years, since P.W. has been planning, with not so much as an estimate so far.

J.M. Lobo Prabhu,
29-4-53

M (I&L) U.Krishna Rao/30-4-53

M (Agri) R. Nagan Gowda/1-5-53

To A.S. Orders in circulation at '2' on pp.11-12 above

As regards the submission of C.E.'s proposals in respect of the Kandaka Anicut Scheme, relevant extracts

from this file may be sent to F&A(F.P) Dept for necessary action.

~~F&A and~~ F&A(F.P) may see before issue

P.A/5-5-53 J.M./~~Lobo Prabhu~~
6-5-53

F&A (F.P.) Deptt

A.S.

(Last seen by this Deptt at pp.8-9 ante)

2. Further notes from p.10 ante may be perused. With reference to M at P.12 ante, the C.E.(I) has, in a recent communication reported that the proposal relating to the Kandalka anicut scheme is under examination in his office and that a report will be sent by him to the Government shortly. It is proposed to await his final report in the matter.

xx xx xx x

xxx/3.6.53 xxxxx /4.6.53

xxxxxx/4.6
.S.(E.O)

Dev. Department

To A.S.

The notes of F&A and F&A(F.P) Depts on pp.12-14 above may be perused. As regards the submission of C.E's proposals in respect of the Kandalka Anicut schemes, relevant extracts from this file will be sent to F&A (F.P.) Dept. for necessary action as already ordered at 'M' on p.12 above.

P.A./9.6.53

J.M./~~Lobo Prabhu~~,
10.6.53

Extract from the Welcome Address presented by the Public of Sullia Firka, Puttur Taluk, South Kanara District on 21-10-52 to the Minister for Industries, Labour and Transport.

xxx xx xx

We ~~also~~ pray that the public may be provided with proper irrigational facilities.

/True Extract/

Superintendent 5/3

BOARD OF REVEN
CN.953
19002

FAA (F.P)

Dem V.v.M. 122925 Pt I/52-14
11-6-53.

FA (DP) Dept

TO

AS

[Last seen by this Dept at p 4 above]

The further notes of Dem and an extract above from the welcome address presented by the Public of Sullia Firka, Puttur Tk, South Kanara Dt on 21.x.52 to M(I.T) may be perused.

2. It is submitted that the CE(I)'s report relating to LA Charges in respect of Samkaranagar Anicut Scheme is awaited and he has been reminded separately. As regards Karnataka Anicut Scheme

Cno 3738/53

672
referred to at N on p 4 ante, the estimate and plans have not yet been received from the CE(1). A copy of the extract of welcome address may be sent to the CE(1) and he may be asked to expedite the submission of estimate and plans for the work.

Draft News is submitted for approval.

by
23653
Mrs
23653

23/6/53

Issued as Memo No. 19002/53-1 dt 25.6.53 pp 1 to 2 cf
from the CE(1). II letter no. 47/48.B11
dt 8.7.53. p 3 cf

TO AS

Please see the CE(1)'s II report on p 3 cf. The CE(1)'s letter dt 26.5.53 was transferred to Prod with this Deptl U.O. No. 3675 A/52-7 dt II A dt 6.6.1953. The present report may also be transferred to Prod in continuation. As regards Sankarapuram* Anicut scheme, the Collector has been reminded separately to expedite his report and action will be taken on its receipt.

15

* C.No. 3735/53 3 subdn separately

With the above remarks, the

J

-7-

73

file may be transferred to P.W.D

6/ 17.7.53. 20/7/53 21/7/53

Put

Ag.

A.D.

ASSISTANT SECRETARY TO GOVT. 21 JUL 1953 PUBLIC WORKS DEPARTMENT

7A (JP) II A
Conf. 19002/53-2
D 217.53.

P.W.D (J1)

The file has been transferred to this Dept with refce to the proposals for the construction of anicut across Kandarna river in S. Kanara Dt.

'S' on plaints

The file referred to at 'S' on plaints has been received in this Dept and Dev/Dev/ fin with this Dept vide no. S-1009 J/53/d. 17.7.53. The receipt of that main file may be awaited till 20.8.53.

EO 26.7.53.

KG 26/7/53

A.E.D

64741

P.W.D.(J.I.).

Sub:-Irrigation--South Kanara Dt.--Puthur Taluk--Construction of anicut across Kandaka River--~~Deferred.~~ ~~Detailed investigation deferred.~~

Ref:- From the Chief Engineer (Irrigation).II.Lr.No.47/48 B.7. dated 26-5-1953.

G.O.Ms.No. 3718 d/ 11-9-'53

The Government direct that the ~~of the scheme~~ detailed investigation of the scheme for ~~be deferred~~ the construction of an anicut across Kandaka river 1½ miles below the crossing of Jalasore-Subramaniam Road near the 8th mile together with a bridge at the road-crossing in Puthur Taluk of South Kanara ~~in view of its unremunerative-~~ be deferred ness and also because it does not satisfy the conditions laid down in G.O.No.5346 P.W. dated 30-12-52 ~~and that further investigation of the scheme need not be pursued.~~

Es 3.9.53 3/9/53

9.9.53

To the C.E.(I).

Copy to the Board of Revenue.

3 Scs.

F1+A (FP) Deptt.

Sub: Irrigation - South Kanara Dt. - Coondapur and Puttur taluks - Sankadagundi and Kandadka rivrs anicut schemes - Recommendation of the Forest Grievances Enquiry Committee.

C.No.36751/52-FP.II-A

Ref: From the CE (I), letter no. 2699/52-B-1, dated 21-10-52.

To the CE (I) Memo. no. 36751/52-1-F.P.II-A, dated 4-11-52.

From the CE (I), letter no. 2699/52-B-2 dated 23-12-52.

As.

While passing orders on the various recommendations of the Forest Grievances Enquiry Committee regarding provision of irrigation facilities to South Kanara Dt., the Govt. in the Devt. Deptt. directed the CE (I) to examine the feasibility of treating the following two irrigation schemes as Intensive Cultivation Schemes and in such an event, to submit necessary proposals to the Govt. in respect of these two schemes:

(i) Construction of an anicut across Sankadagundi river in Coondapur taluk, S. Kanara Dt.; and

(ii) Construction of an anicut across Kandadka river in Puttur taluk.

f.1 cf

Mr 3-4 cf

f.4 cf

Para 4 Mr. 1-2 'C' (1)

(Copy of Govt. Ms. 2150, Devt. Deptt. dt/ 19 5 52)

In obedience to the above orders of the Govt, the CE. reported the present stages of the two Schemes as follows:

(i) Sankadagundi anicut Scheme: The Scheme was estimated to cost Rs. 1,17,500/- for works or Rs. 1,52,886/- inclusive of direct and indirect charges and was expected to benefit 200 acres of 2nd crop. As the cost of the Scheme worked out to Rs. 750/- ps acre, The CE reported that the Scheme had been deferred for the present and that it would be taken up for consideration, when the financial position of the State improved. p. 1 c f

(ii) Kandadka anicut Scheme: The Scheme was estimated to cost Rs. 2,24,000/- for works or Rs. 2,91,211/- inclusive of direct and indirect charges. The Scheme involved the Construction of a bridge or regulator and cutting of forest growth over an extent of 70 acres for both of which the Concurrence of the Highways and the Forest Deptts. had to be obtained. As further, the Scheme worked out to Rs. 800/- ps acre on works or Rs. 1000/- ps acre on the gross outlay. — ibid —

A further reference was made to the CE (I) enquiring whether the decision to defer the Sankadagundi anicut Scheme p. 3-4 c f

was based on the policy of the Govt. not to take up new works and the D.C. campaign and if not, to quote the orders of the Govt. on the subject. He was also requested to report on the feasibility of ~~including~~ taking up the above two schemes under the Special M.I. Programme. The CE. has since submitted his report and it will be found at p. 7 c/f

2. The CE. has included the Sankadagundi anicut scheme in the Special M.I. Programme for 1952-53 proposed by him for the utilization of Rs. 40/- lakhs of the loan offer made by the Govt. of India. Hence, the plans and estimate for the work may be awaited till 20.1.53. The question that arises is whether the Kandadka-anicut scheme ~~is not feasible for inclusion~~ cannot be included in the Special M.I. Programme, as the scheme is not feasible of completion within two years. The CE's view in this regard may be accepted.

Note by CE. is not found in the file

M

3. The CE. has requested orders of the Govt. whether the irrigation schemes satisfying the following conditions can be included in the Minor Irrigation Programme:

See 3 p. 7 c/f

(i) Grow more food value;

(ii) Possibility of completion within two years; and

(iii) reasonable cost, say upto Rs. 1000/- per acre in famine areas, like ceded Dts. or Rs. 750/- per acre in other areas, but not necessarily productive.

It may be mentioned in this connection, that the Govt. of India have insisted that the schemes included in the Special Programme should be of a productive and economic nature. This Govt. have not attached any idea of a direct revenue return to these two Govts but have expressed themselves that only such of those schemes as will be productive from the food yielding Capacity and economic from the point of view serving areas backward in irrigational facilities will be taken up. They have been requested to leave the responsibility to decide the productive and economic utility of the schemes to be taken up under the Special Programme to the best sense of the State Govt. In the Circumstances, the CE. may be asked to submit proposals for all small irrigation schemes, capable of completion within a period of 2 years from date of commencement, which may be undertaken for consideration under the Special Programme,

not put up

ibid —

M

2

irrespective of their cost per acre and leave it to the Govt. to decide each case on its merits. For orders.

4. After orders are passed, the file may be sent to Devt (P&D) deptt. for perusal and return.

19.1.53
DS (E.O)
19/1/53
DS (E.O.)
Dev (P&D)

19/1/53
21/1/53

SECRETARY BOARD OF REVENUE 21.1.53
6 JAN 1953
FOOD PRODUCTION

AS
DS (E.O.)
Dev (P&D)

F.dA (Estt.II-A) 110
3675 1/52-3
6.1.53
Dev. 2440 dt 05/53
2433 21-53

TOURTH ASSISTANT SECRETARY TO THE GOVERNMENT
1 JAN 1953
DEVELOPMENT DEPT.

To AS The notes of F&A (F.E) on pp 1-5 above may be perused and the case returned to that deptt.

Dev. Deptt.

The Sankalagurdi ancient scheme has been included in the Special N.I. programme for 1952-53.

7/1/53

The Kandadka scheme is proposed to be deferred as it will take time to obtain the concurrence of the Highways and Forest Depts, as it is estimated to cost more & it will not be possible to complete it within two years. This deptt. may suggest that this scheme also

6/

may be included in the Special M.P. programme. It should be possible to obtain the concurrence of the Finance Dept. very speedily & to complete the work. The Irrigation cost would not stand in the way as this will add to the food production of the State.

S

20/1/53.

Price is mentioned on cost for Malnad Dev and Karadka schemes, if included will enable us to say that a start is being done. Obtaining of concurrence of other depts should not take so long

18/1/53 F&A(FP)

F(F&A(FP)) Dept.

Dev. V.O.No.2440 P&OS/53-1

8-1-53

As.

Please see the notes from p.1 ante. A draft memo. to the CE(I) incorporating the orders at M on pp 3 and 4 ante and the views of Secy. Irr. at N above is submitted below for approval

20/1/53 21/1/53 21/1/53

BOARD OF REVENUE 1112 10 JAN 1953 FOOD PRO

3675/52 — 7 — Fin (A&Edn.) Dept.

[Issued as Memo. no. 3675/52-4-Fin-II-A, d/ 22.1.53]

H.S. to C.E.

A.S.

Please see the Memo. cited. With reference to para 2 of the Memo., the C.E. has submitted the plans and estimate for the Sankadgiridi Scheme and they are under examination separately. The C.E. may be reminded for the proposals called for from him in para 3 at H.S. to Cy. Draft below is for approval.

23.2.53 24/II/53

H.S. to C.E.

[Issued as Memo. no. 3675/52-5-Fin-II-A, d/24.2.53]

H.S. to C.E.

Ref: From the C.E.(I) II, letter no. 2699/52-B.6, d/ 3.3.53.

A.S.

Please see the C.E.'s letter cited. A reply to it may be awaited till 5/4/53

6.3.53 6/3/53

(Routine reference)

Ref: From the C.E. (I) II, letter no. 47/48-B-2, d/26/5/53

H.S. to C.E.

A.S.

Please see the letter cited from the C.E. (I) II and the enclosures thereto. In the circumstances reported by him in para 6 of his letter, this file may be transferred to the P.W.D.

for Consideration of the scheme as proposed, as an ordinary irrigation scheme outside the scope of the special N.E. Programme.

2. The file may be transferred to the P.W.D.

5/6/53 6/6/53 [illegible]

As P.W.D 5319 of 4.6.53 F.A (A.P. II A) No.

P.W.D (J!)

ASSISTANT SECRETARY TO GOVT. 9 JUN 1953 PUBLIC WORKS DEPARTMENT

Please see the note of F. & A (F.P.) and Secy (P & D) on pp 1-8 ante.

The copy recd in this Dept has been added to c.f. The remarks of the Bd of Rev may be invited in the first instance

A Draft endt on p 20 of is subd for approval.

Eo
14/6/53

No rec'd of the Rpts of Bd. Pl. ask for a copy. Pl. give a reply. Pl. see the [illegible] and return the file with [illegible]

15/6/53

5/46/52

P.W.D.(J.I.).

Sub:-Irrigation--South Kanara District--Puthur Taluk--Construction of anicut across Kandaka River.

The file relates to the question of taking up the detailed investigation of the scheme for the construction of an anicut across the Kandaka river in South Kanara District.

2. While passing orders on the various recommendations of the Forest Grievances Enquiry Committee regarding provision of irrigation facilities to South Kanara Dt., the Govt. in the Development Department directed the C.E.(I) to examine the feasibility of treating the following two irrigation schemes as Intensive Cultivation Schemes and in such event to submit necessary proposals to the Govt. in respect of those two schemes.

(1) Construction of an anicut across Sangalagundi river, in Coondapur Taluk.

(2) Construction of an anicut across Kandaka river in Puttur Taluk.

3. As regards item (1) above viz., construction of an anicut across Sangalagundi river, the C.E. has included the scheme in the Special Minor Irrigation Programme for 1952-53 and necessary action on this will be taken separately in F & A (F.P.) Dept.

4. Item (2) Construction of an anicut across the Kandaka River: The C.E.(I).II has forwarded an approximate estimate amounting to Rs.2,24,000 for works or Rs. 2,91,211/- inclusive of direct and indirect charges for the construction of an anicut across the Kandaka river 1½ miles below the crossing of Jalasure-Subramania Road near the 8th mile together with a bridge at the road crossing in Puthur Taluk. According to the proposals a vented dam with removable horizontal wooden shutters fixed between masonry piers is to be constructed on a concrete bed block. The shutters will be fitted during the 2nd crop season to raise the F.S.L. to 108.000 level, water ~~is~~ being fed into two canals throu

head sluices located on either side. The scheme is expected to benefit 103 acres during I and II crop periods of which 30 acres are already under cultivation. The remaining 73 acres have to be cleared of thick forest growth. It is reported that when shutters are fitted up and water stands upto 108.00 level, the Jalasure-Subramania road about 1½ miles upstream of the anicut will have a standing depth of water of 3½' at the point of crossing. This road is not passable at this point during monsoon months as the river will be in floods and only ~~restorable~~ motorable in summer months. As the construction of the anicut will interfere with the ~~nominal~~ normal traffic on the important road a bridge has to be constructed here. It is stated that there is already a strong agitation for a pucca bridge and that as the difference in cost of construction of a pucca and submergible bridge is only about 20%, a pucca bridge is preferred. Accordingly in the estimate now submitted an amount of Rs.1 lakh has been provided for the construction of the bridge. It is reported that the scheme costs about Rs.2830 per acre. Deducting the betterment fees of Rs.4,250/- which are expected, the Collector has worked out the return as 0.24%. Excluding the cost of the bridge the return is reported to be 0.80%. The additional yield of foodgrains expected is 125 tons of rice. It is further reported that an extent of 70 acres is yet to be reclaimed by the ayacutdars and channels also have to be dug by them at their cost ~~for which~~ but there is no guarantee that they will do it. The river has not been gauged during the II crop period and the availability of water is based on the observations of flow on a few days in January 1952. Therefore the Collector considers that it cannot be said that water will be adequate for irrigating an extra 103.77 acres. Both the

'A' on p19 c/f

Para 14 P29 c/f

Item 2 P21 c/f

Para 2 on P19 c/f

K

D

5 on p37 c/f.

Para 3 on P 19 c/f

Collector and the S.E., Coimbatore Circle have not recommended the scheme on account of its unremunerativeness.

Para 4 on P 19 c/f

5. As regards taking up the scheme under the Special Minor Irrigation Programme, the S.E. has reported that from experience of similar anicut schemes executed in South Kanara District, the work cannot be completed within a period of 2 years and hence it cannot be taken up under the above programme. The C.E. has stated that in the above circumstances the scheme has to be taken up as an ordinary Irrigation scheme only after further detailed investigation by Special staff.

Para 6 on P 19 c/f

6. It is submitted that the present scheme does not satisfy any of the conditions for taking up irrigation schemes costing more than Rs.300/- per acre laid down in para 3 (1) of G.O.No.5346 P.W. dated 30-12-1952. The cost per acre is Rs.2830 and even after taking into account the betterment fees reported to be forthcoming from the ryots, the cost of the scheme will not be brought down to Rs.300/- per acre. The return anticipated is only being of a.2.4 %.

P 2 (F)

The scheme does not afford protection to the people in that area, as it is for the utilisation of waters depending upon local rainfall and catchments--please see para 3 on p.25 c.f. This is also not a case of utilisi this Government's share of the waters of an inter State river or stream.

c/f 3(1)(4) on p 2 (F)

c/f 3(1)(c) on p 2 (F)

7. In the circumstances stated above it is for orders whether the detailed investigation of the scheme should be taken up by a special staff to be sanctioned therefore or whether the proposal may be deferred.

A (1) Rays be deferred

8. Development, Revenue and Finance may see for remark

P.W. Secretariat 1953 0095/53 Deputy Secretary

Eo 306.53. AH 1/7/53

16/7/53 Dev / Rev / Fin

90600 c/f on 20

12

~~Fin~~ Agri. Dept. 1/

To AS

This Dept. last saw the file on ¶5-6 above. The summarising note of P.W.D. ¶¶ 9-11 above may be perused. It is for orders whether this Dept. may agree to the proposal of P.W.D. at A' on ¶11 above. After orders are passed, the case may be sent to Rev. Dept.

The cost of the scheme is estimated at Rs 2,91,211/- inclusive of direct and indirect charges. The area likely to be benefited is only 103 acres including 30 acres already under cultivation and the cost per acre is estimated at Rs 2830. The return anticipated is 0.24% and the yield is estimated at 125 tons of rice. Owing to the unremunerative nature of the Scheme, P.W.D. propose to defer the Scheme.

S

22/7/53 Assuming that no S schemes are sanctioned the cost per acre exceeds Rs 3000/- I agree.

21/7

ADDITIONAL DEPUTY SECRETARY TO GOVT. 27 JUL 1953 61145 FINANCE DEPARTMENT

Rev. Dept. D.O.N.C.M. No 6008 PDI/53-1 21-7-53.

J.A.S.

The notes from P.9 above may be perused. This dept. may agree with P-10 that the proposal may be deferred. The file may be passed on to Fin. AT 23.7.53

Deputy Secretary to Govt.

23 JUL 1953 6a 48 4 H3 REVENUE DEPARTMENT

ADS 23.7.53 Fin. Rev. i.o. 0.62424 ¶¶/53-1 d 25/7/53

23/7/53

12

Part II Cat I

Rev. Dept. 14

T.V. AS

This Dept. last saw the file on pp 5-6 above. The summarising note of P.W.D. on pp 9-11 above may be perused. It is for orders whether this Dept. may agree to the proposal of P.W.D. at A' on p11 above. After orders are passed, the case may be sent to Rev. Dept.

29-7-53 The cost of the scheme is estimated at Rs 2,91,211/- inclusive of direct and indirect charges. The area likely to be benefited is only 103 acres including 30 acres already under cultivation and the cost per acre is estimated at Rs 2830. The return anticipated is 0.24% and the yield is estimated at 12½ tons of rice. Owing to the unremunerative nature of the Scheme, P.W.D. proposes to defer the Scheme.

28/7/53 S.

Assuming that no Schemes are sanctioned where cost per acre exceeds Rs 300/- agree.

ADDITIONAL DEPUTY SECRETARY TO GOVT. 27 JUL 1953 61145 FINANCE DEPARTMENT

21/7

Rev. Dept. D.O.No. 90600 P.W.I/53-1

21-7-53.

Secretary

Rev. Dept. 23 JUL 1953 6a 484 H3

J.A.S.

The notes from p. 9 above may be perused. This dept. may agree with P.W.D. that the proposal may be deferred. The file may be passed on to Fin.

23.7.53

23-7-53

25.7.53

Fin. Rev. No. 0.62424 H/53-1 dt 25/7/53

J

Fin.(Exp.C)

Please see the notes on pp. 9-12 above

2. This dept. also may agree to the proposal of P.W. to defer the detailed investigation of the scheme relating to the construction of an anicut across Kandaka river in Puttur Taluk, South Kanara Dt (The scheme is estimated to cost Rs 2.91 lakhs including direct & indirect charges. Return worked out by the collector is 0.24%)

p 19 cf

Fin. Exp. 6114 S.E.C/53-1

3.8.53

31.7.53

31/7/53

P.W.S.

3.8.53

ASSISTANT SECRETARY TO GOVERNMENT PUBLIC WORKS DEPARTMENT 5 AUG 1953 71542

P.W.D.(J.I.).

The file deals with the proposal for construction of anicut across Kandaka river in South Kanara District as a development scheme in Malnad area at an estimated cost of Rs. 2,91,211/- inclusive of direct and indirect charges. The area likely to be benefited is 103 acres including the 30 acres already under cultivation. The cost per acre of irrigation is estimated at Rs.2830/- and the return is anticipated at 0.24%. The additional yield is estimated at 125 tons of rice. The typed note on pp.9-11 ante explains the case in detail. This Department proposed that the scheme may be deferred in view of unremunerativeness and also because it does not satisfy any of the conditions for taking up irrigation schemes costing more than Rs.300/- per acre laid down in para 3 (1) of G.O.No.5346 P.W. dated 30-12-1952. Revenue and Finance have agreed with this Department. Development Secretary has noted that assuming that no schemes are sanctioned when cost per acre exceeds Rs.300/- he would agree. It is

pp 19-39 cf

p 2 cf

A on p 19 cf

para 2 p 19 cf

M on p 39 cf

A on p 11 ante

p 2 (F)

pp 12-13 above

S on p 12 ante

S1009J153

submitted that generally in the case of schemes costing more than Rs.300/- the ryots benefited are asked to pay the cost over and above the cost of Rs. 300/- per acre in suitable instalments ~~not more than 10~~ and when contributions are forthcoming, to the extent money, schemes will be taken up. In this case, the Collector has reported that betterment fees of Rs. 4,050/- are expected. But this amount will not reduce the cost of the scheme to Rs.300/- per acre.

In the circumstances, reported the ~~xxxxx~~ proposals may be deferred as already suggested by this department.

2. The file may be circulated to M (P.W.) for orders on para 1 above.

Para 2(2) & FT & Para 3(1)(a) & pt 1(F)

'A' on p 37 c b

'A' on p 11 ante

Eo 17/8/53. 17.8.53.

22.5.53

29/8/53.

M(P.W). Sri. Rama Rao. 27.8.53

27/8 (17)

SECRETARY TO GOVT 27 AUG 1953 PUBLIC WORKS DEPARTMENT

A draft order, deferring the proposals is submitted below for approval.

Eo 28.8.53. 29.8.53

3/9/53

9.9.53